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UPM Chancellor, the Sultan of Selangor, Sultan Sharafuddin Idris Shah officiated Universiti Putra Malaysia, Bintulu Campus, Sarawak (UPMKB)

Sultan Sharafuddin officiates UPM Bintulu Campus

By Noor Eszereen Juferi

BINTULU, March 10 (UPM) - Chancellor of Universiti Putra Malaysia (UPM), Sultan Sharafuddin Idris Shah officiated Universiti Putra Malaysia Bintulu Sarawak Campus (UPMKB), which also marked his first visit to the campus.

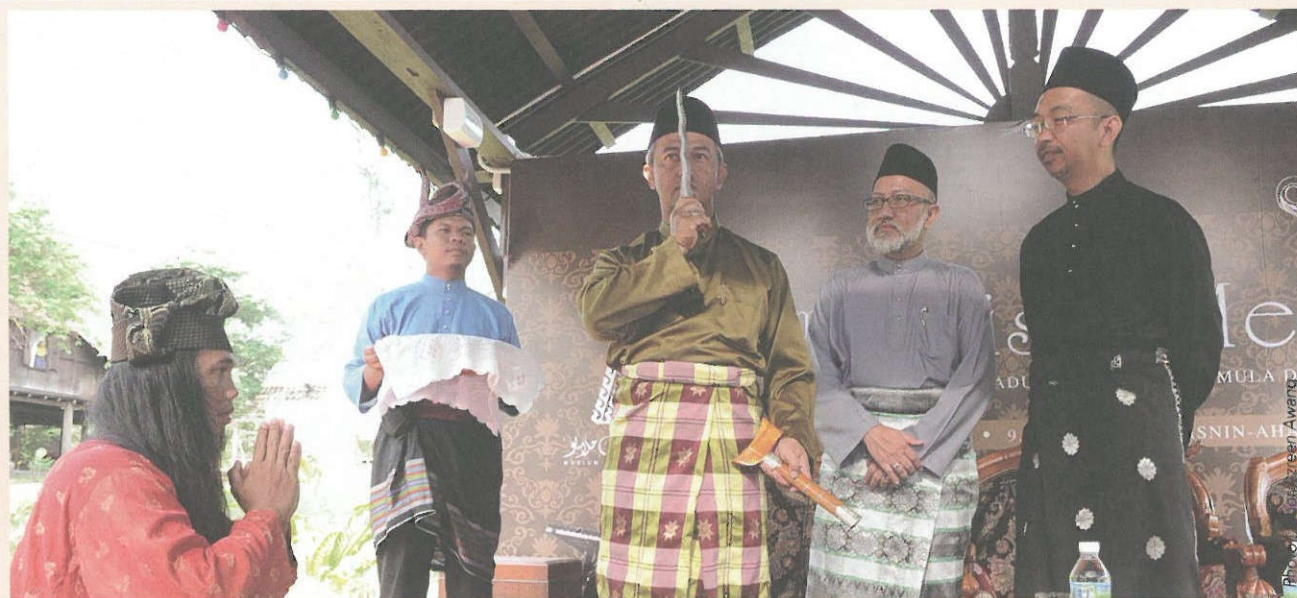
On the occasion of the visit, Sultan Sharafuddin was briefed on the development of UPMKB by UPM Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan and signed the plaque, symbolizing the opening of UPMKB.

Sarawak State Legislative Assembly Speaker, Datuk Amar Mohamad Asfia Awang Nassar, Minister of Resource Planning and Environment II, Minister of Public Utilities, Minister of Industrial Development, Datuk Amar Awang Tengah Ali Hasan, UPM top management and senior officers, along with the representatives from various tribes in Bintulu, welcomed the Sultan at the Bintulu airport.

Also at the event, the Sultan witnessed a memorandum of understanding (MoU) signing between UPM and Bintulu Development Authority (BDA), represented by UPM Vice Chancellor and BDA General Manager, Datu Mohidin Ishak.

The MoU is aimed to strengthen collaboration between the two sides in the field of agriculture and the

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Prof. Dato' Dr. Mohd Fauzi (3rd from left) at the launch with FBMK Dean, Assoc. Prof. Dr. Abdul Mua'ti Zamri and Museum Director, Dr. Muhammad Pauzi (right)

First Malay Heritage Museum in the country launched

By Khairul Anuar Muhamad Noh

SERDANG, April 8 - The Malay Heritage Museum, Universiti Putra Malaysia (UPM), the first of its kind in the country was launched today at Faculty of Modern Languages and

Communication (FBMK) here.

UPM Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan, said although there are other museums in Malaysia which exhibit Malay heritage, UPM museum features not just a name but the uniqueness of Malay heritage

collections focusing on its true identity through the exhibition of ancient Malay and religious manuscripts, high quality textile, wardrobe and weaponry collections.

"There is one and only manuscript kept in the museum which is specifically

discussing about the Taming Sari kris. In addition to the indoor exhibits, the museum also has three outdoor exhibits consisting of over a-hundred-year-old traditional Malay houses of Negeri Sembilan, Perak and Terengganu.

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MOE funds RM100,000 for UPM PutraBiz@Vet Entrepreneurship Incubator programme



Photo: Noor Azreen Awang

By Nur Jannah Ab Rahman

SERDANG, May 7 (UPM) - Faculty of Veterinary Medicine, Universiti Putra Malaysia (UPM) has received a sum of RM100,000 from the Ministry of Education (MOE) to finance its training and activities in PutraBiz@Vet Entrepreneurship Incubator programme.

The programme is aimed at developing entrepreneurs among students in agro-farming besides developing veterinary entrepreneurship network database.

Parts of the effort are to provide spaces for operation centres, strengthen UPM business projects such as Putra Mart, commercial nursery, pet clinic and hotel, improve MyAgroSis club activities, strengthen agro-entrepreneurship courses and agro-entrepreneurial incubation programmes.

UPM Deputy Vice-Chancellor (Research and Innovation), Prof. Dr. Mohd. Azmi Mohd Lila, said UPM graduates need to ensure the level of quality set by the ministry and the

university.

"I believe that this programme is able to produce veterinary entrepreneurs who are capable of building sustainable brands and businesses and face the challenges in the business world as well to foster creative and critical thinking among them," he said in his opening speech.

He hoped this systematic programme that disseminates entrepreneurial knowledge will be able to produce graduates who will choose entrepreneurship as future career

and reduce their dependence on salary-based jobs.

At the same programme, the Veterinary Alumni Outstanding Entrepreneur awards were presented to Dr. Ling Tung King, a private veterinary practitioner registered in Malaysia and Brunei, Dr. Nor Azam Bahari, the CEO of Global Veterinary Sdn. Bhd. and Dr. Tan Check Nam, the Managing Director of Global Pets Sdn. Bhd., for their contributions in the field of veterinary entrepreneurship in the country and abroad.



Photo: Nurul Hana Ismail

UPM students involve in Kampung Lintang's Community Programme

By Syifarida Mohammed Zaki

JOHOR - A total of 60 local and international students of Universiti Putra Malaysia (UPM) participated in a community programme to improve the knowledge and skills among the residents of Bukit Lintang, Kota Tinggi, Johor recently.

Programme director, Amirul Shazriel Madjeli, said among the activities undertaken were children adoption programme, communal work, entrepreneurial activity in which every student was provided with local products from the villagers such as potato chips and traditional cookies that needed to be sold around the town of Kota Tinggi.

"The participation of the students would improve their non-academic soft skills such as character-building, professionalism, also to produce quality graduates and outstanding talents.

UPM Vice Chancellor, Prof. Dato' Dr. Mohd Fauzi Ramlan, said the programme was expected to take about two years to see its impact.

"Results show that Bukit Lintang has the potential for further development

of the environment, education and skills among its community.

"UPM will focus on six key areas of Small and Medium Enterprises (SMEs) such as wider sales distribution of potato chips and traditional cookies, agriculture, landscaping, arts, culture, homestay and children's education.

"The location is strategic due to the village is only 60 kilometers away from the city of Johor Bahru and surrounded by fascinating areas which have the potential to be turned into tourist attractions such as the Kota Tinggi waterfall, Gunung Panti, Gunung Mentahak, Gunung Dagok, Sultan Mahmud mausoleum and many more," he said.

Besides having activities with the students, the locals also had the opportunity to undergo health screenings as well as consult with UPM experts at the exhibition booths provided by Faculty of Agriculture, Faculty of Design and Architecture, Faculty of Food Science and Technology, University Health Centre, University Agriculture Park, Halal Products Research Institute, Faculty of Forestry and Office of Marketing and Communications.

First Malay Heritage Museum in the country launched

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"Previously, a museum that features Malay heritage is only available in Singapore and therefore, our country requires an establishment of an institution to foster research, publication, education, teaching and learning, as well as displaying artifacts related to the Malay culture," he said in his speech at the launch. Also present were FBMK Dean, Assoc. Prof. Dr. Abdul Mua'ti Zamri Ahmad and Museum Director, Dr. Muhammad Pauzi Abd. Latiff.

He said the museum's specialties are religious manuscripts such as handwritten Quranic verses as well as other manuscripts of other religions, early writings on sailing and navigation used by Malay seafarers, medical manuscript or also known as the 'Thib' and manuscripts relating to weaponry, especially on forging blades.

Fauzi said there is also a manuscript about mathematical formula written by Malay intellectuals more than 200 years ago.

"The public visitors can see for themselves how the Malays, more than 300 years ago, had the footnote system in writing those manuscripts. Meanwhile, for more than 200 years ago, the Malays even had a system of sketching ideas in visual forms, similar to the modern mind mapping concept created and popularised by Tony Buzan," he added.

He hoped that the UPM Malay Heritage Museum will be a place for students, researchers and the community within

and outside the country to deepen their understanding in the Malay culture and civilization.

"As a museum at a research university, it will be a symbiosis of expertise from all areas such as language, literature, communication, design, food science, agriculture, forestry, medicine, material science, metallurgy, textile science, sociology, anthropology, psychology and other related fields in delving into the ancient wisdom of the Malays and unlock the secrets of the intellectuals," he said.

High quality Malay textile collections

Woven fabrics and patterned by ancient Malay designers such as the limar, pelangi, cindai, kelingan cloths and were produced through the knowledge in art and science. For example, the cindai cloth was made out of fiber extracted from herbs that were also used as an antidote. Now everyone has an idea why Hang Jebat was still able to survive up to five days after being stabbed by Hang Tuah, as it was told that his wound was banded with the cindai cloth.

Malay wardrobe collections

The collections consist of garments for men, women, and kids such as shirts, pants, skirt-type adornment known as sampang, various types of cloths and head dresses for men known as tanjak. Also included in the museum's wardrobe collections are accessories that are worn with the garments such as belt buckles known as pending, girdles, belts, brooches and necklaces. In addition to display the subtle art of the Malays, these collections also demonstrate on how the ancient Malay community designed such garments according to function and situation.



Photo: Noor Azreen Awang

Malay weaponry collections

Showcasing unique Malay weapons such as a cannon known as lela rentaka, spears, harpoons, machetes, swords, various types of knives known as tumbuk lada and badik as well as a series of kris collections. Kris is not only designed to be used as a weapon but also used to protect pride and dignity. It is also displayed as a unique piece of art and often crafted with top-notch quality. Since 800 years ago, kris has remained so close to the hearts of the Malays.

Malay household equipment

Among unique artifact on display is a flint lighter known as Gobek Api. It is

a small device used to light a fire, which was invented through the ingenuity of the ancient Malay community. The creation comprised combined skills in physics, chemistry, and biology and its function was essentially based on the concepts of pressure, compression and friction. History of Gobek Api is only found in the Malay world, especially in the north and was used in the 17th and 18th centuries. The Malays used Gobek Api about 100 years before the west created matches and it took another 130 years later for Ronson, an American company, to invent modern lighters. Unfortunately, today, the creation of Gobek Api has been patented under the name Fire Piston by a

United States-based company.

Outdoor Museum

Outside the museum's premise, there are three traditional Malay houses re-assembled. The first is the house of Dato' Raja Diwangsa, also known as the Negeri Sembilan house. The second is the Perak traditional Malay house and also known as the Kutai house, while the third, which is being re-assembled now, is the Terengganu house. For references, the Negeri Sembilan house is representing the southern zone and was built on the lower ground, the Kutai house represents the northern zone and was built on the river banks. Meanwhile,

the Terengganu house represents the eastern zone and was built by the sea. The students, researchers and visitors will be able to clearly see the architecture and how these traditional Malay houses were built based on locations and areas.

The exterior of the museum

There is a barn built to place a rubber machine that demonstrates on how rubber, which is one of the country's main products, is tapped from the trees and processed into rubber sheets. This process will reveal to students, researchers and visitors on how smallholders among Malay community undergoing their daily economic activities.



Photo | Noor Azreen Awang

UPM researcher to upgrade gamma cameras to SPECT Camera for 3-D diagnosis

By Kuah Guan Oo

SERDANG, 23 April (UPM) – The parts neatly laid out on the table are ready to be assembled to become a portable nuclear imaging diagnostic camera to detect breast cancer.

The difference of this proto-type machine the size of a large accordion, is that it uses angle-based gamma-ray detection instead of single angle based detection that will show up the tumour or cyst in 3-D, so that doctors can zoom in for a sample for a biopsy, the gold standard test for any cancer.

The device in the area of Single-Photon Emission Computed Tomography (SPECT) camera is the work of Assoc. Prof Iqbal Saripan, 33, the head of the Department of Computer and Communication Systems Engineering of the Faculty of Engineering of Universiti Putra Malaysia (UPM), and it has taken him more than 7 years to reach this stage of his research and passion.

He said it all started when he was accepted for a place under UPM's tutorship programme after graduating with his B.Eng (Hons) degree in Electrical-Electronics Engineering from Universiti Teknologi Malaysia (UTM) in Skudai in 2001.

From here, he chose to go to the University of Surrey, United Kingdom, that is well-known for nuclear physics, where he pursued his PhD in medical image processing and where he completed his thesis on wire mesh

collimator for gamma camera for his doctoral degree at age 26.

By then, he had not only gained some real hospital experience but had done a lot of groundwork to see how those multi-million ringgit nuclear imaging devices using 2D gamma-rays can be salvaged by switching to using portable gamma-ray for pin-point diagnostic accuracy in 3-D.

Like many other developing countries that employ these gamma rays machines, Malaysia has a few such machines for patients, each costing between RM5 million to RM10 million, and they are becoming obsolete.

The poser to the hospitals and Government then is whether to replace these machines to those using the latest but expensive nuclear imaging devices or to put new changes to these gamma-rays cameras. The modification can be done by replacing the collimators to improve the performance of the current gamma rays.

In comparison, Dr Iqbal said the typical X-ray machines do not use such high blast of energy as gamma-ray and they cannot "see" through bones, like gamma rays.

But gamma rays can only pin-point a tumour, or abnormal growth in the body, provided the body is injected with a weak and time-lapse radio isotope and the means where the gamma rays can be concentrated to produce the "image".

This is where Dr Iqbal came up with his wire mesh collimator, a device that

can improve the detection of gamma rays.

He said it had took him years of research works and on-site studies and discussions with the manufacturers like Toshiba and Siemens, and the medical doctors before he found the answers.

And in the process, he had one patent filed on the wire mesh collimators and a few national and international awards to his name.

He was given the Young Scientist award by Datuk Dr Ewon Ebin, the Minister of Science, Technology and Innovation in November last year, while the Academy of Sciences Malaysia recognised him a month later (in December) as one of the top Research Scientists in the country.

Dr Iqbal said he had received some foreign enquiries about his patents and he is presently working on patenting another one of his work.

"I would say that 80 to 90 percent of my research work and publications are on nuclear imaging devices," he said.

Right now, he and his team are ready to put together his proto-type portable gamma-ray or SPECT camera for breast cancer detection.

The testing will be done at a hot lab facility in the country.

With inputs from his team of researchers, the portable SPECT camera can be used for young ladies and lactating mothers. "The camera can be used for breast of any volume," he said with a grin.

Sultan Sharafuddin officiates UPM Bintulu Campus

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implementation of community development activities in Bintulu through agricultural extension programmes, besides being the pathway for students' skill development by providing industrial training under BDA agencies.

The Sultan planted the Engkabang tree in front of Dewan Sri Kenyalang, UPMKB as a sign of his visit. The oil from the fruit is said to resemble the taste of butter.

In the evening, Sultan Sharafuddin, said researches in agriculture, forestry

and environment are able to be used in protecting as well as managing the environment effectively, through the implementation of systematic plans by the university.

He also said, the effort will be beneficial for both UPM and the Sarawak government, since Bintulu area is included within the Sarawak Corridor of Renewable Energy (SCORE) development programme.

"I believe in the potential and strength of UPM in the field of agriculture, agro-based industry, marine and natural resources will support the development of SCORE effectively, at the same time, providing more employment opportunity throughout its implementation," said the Sultan during the dinner with the Chancellor event, at the Millennium Ballroom, Parkcity Everly, Hotel here.

The next day, Sultan Sharafuddin spent about three hours touring Similajau National Park and was briefed about the park's uniqueness and its forest management by the Sarawak Forestry Corporation.

The history of UPMKB began when the branch campus was temporarily established in Semenggok, Sarawak in June 1974, before it was closed on January 10, 1992, to pave the way for the establishment of Universiti Malaysia Sarawak (UNIMAS).

In February 2001, the Ministry of Education (MOE), through a letter from the Secretary-General, stated the consent of the Minister, allowing UPM to re-establish its campus branch in Bintulu, started with its 2001/2002 academic session, focusing on areas of Agriculture and Forestry.



UPM website scores five-star MGPWA rating

By Noor Eszreen Jufri

Serdang, April 16 - Universiti Putra Malaysia (UPM) has been awarded a five-star rating for its outstanding provision of website and portal by the Malaysia Government Portals and Websites Assessment (MGPWA) 2013.

The latest rating was stated in a letter of appreciation by Director General Department of Higher Education, Ministry of Education, Dato' Prof. Ir. Dr. Morshidi Sirat recently.

Of 20 other public higher education institutions, UPM shared the third place with Universiti Malaysia Sarawak (UNIMAS) with both scored 83. Besides retaining third, UPM also managed to emulate its last year's feat by maintaining the five-star rating.

The first place was won by Universiti Sains Islam Malaysia (USIM) with a score of 88, while the second place was nabbed by Universiti Teknikal Malaysia Melaka (UTEM) with a score of 86.

A total of eight universities

achieved the five-star rating and the remaining 12 achieved four. The assessment in the rating covered the content, usability, security, and bonuses that were available in the websites and portals.

MGPWA 2013 was conducted by the Multimedia Development Corporation (MDeC), entering its eighth year and its organization was aimed to support government agencies in promoting online services and better service delivery to the people through websites and portals.





Special honours for UPM academics

SERDANG: Universiti Putra Malaysia (UPM) honoured its former Deputy Vice-Chancellor of Academic and Internationalization with the Putra Academia Special Award, during its Putra Academia Excellence Awards (MGAP) 2013 Presentation Ceremony here today. Prof. Datin Paduka Dr. Aini Ideris, received the Putra Academia Special Award from the Sultan of Selangor, Sultan Sharafuddin Idris Shah, who is also UPM's Chancellor.

The Putra Academia Special Award is given to individuals who contributes enormously, with devotion and dedication towards the development of the university and the nation, enhancing the university's image, giving impact and upholding the culture of learning and strive for excellence. In the ceremony, UPM also honoured another 11 academicians with the Vice-Chancellor's Fellowship Award while another academician received the Excellent Consultancy Award.

The MGAP was organized as an effort to motivate, strengthen the commitment and dedication of UPM's academicians. This award is an initiative which started in 2007 to give recognition to academicians who showed excellence and creativity in teaching, research and consultancy works.

The MGAP awards consist of three categories:

1. Vice-Chancellor's Fellowship Award for Teaching Category
2. Vice-Chancellor's Fellowship Award for Research and Innovation Category
3. Excellent Consultancy Award



Prof. Dato' Dr. Mohd Fauzi Hj. Ramlan

UPM's Vice-Chancellor, Prof Dato' Dr Mohd Fauzi bin Haji Ramlan said that UPM's excellent culture in providing quality higher education and generating research outputs is able to give significant impact not only to the university, but also

towards the development of the right kind of human capital that contribute to the economic growth of the nation.

"This is in line with the mission of the university to give meaningful contributions towards wealth creation of and development of the nation and people through the exploration and dissemination of knowledge. Thus human resources that continuously practiced dynamic working culture, ethically and with excellence should be strengthened in UPM community. This is in parallel with our effort to boost UPM excellence and portray a positive image at the global stage towards making us a university of international repute," he said.

Vice-Chancellor's Fellowship Award for Teaching Category

The award, known earlier as Putra Teaching Award was introduced in 2007. It has been able to shed greater recognition for creativity and innovations in teaching. It has also boosted UPM's effort to encourage lecturers in applying innovative student-centred learning approaches. The applicants have to undergo a thorough evaluation process including observation of their teaching, evaluation of portfolio, interview and micro teaching. Through this award, candidates for the National

Academic Award (AAN) for the teaching category conducted annually by the Ministry of Education, can be identified.

Vice-Chancellor's Fellowship Award for Research and Innovation Category

The Research and Innovation Award gives recognition to excellent researchers each year to heighten their inspiration and in line with UPM's aspiration to become a Research University of international repute. The categories for the award are as follows:

(i) Young Researcher Award and Excellent Researcher Award

Two categories of award are introduced based on research clusters: Science and Technology and Social Sciences and Humanities. The candidates are judged based on some predetermined criteria to determine their overall research excellence throughout their service in UPM. The Young Researchers Award are for academicians who are 35 years of age or younger while the Excellent Researchers Award are for those who are more than 35 years old.

(ii) Innovation and Product Commercialization Award

Recipient for this award is judged based on the value of the commercialized product and the returns from sales. Information on

commercialization and sales is obtained from the Intellectual Property Division, Research Management Centre (RMC) and the UPM Innovation Sdn. Bhd.

(iii) Journal Publication Award

The award is given as recognition to academicians who has published in top tier journals. Two separate awards are given based on fields; (i) Science and Technology and (ii) Social Sciences and Humanities.

(iv) Book Publication Award

Award is given to staff who has published original book that has great impact in the dissemination of knowledge or bring about change in the mindset in the society.

(v) Arts and Creativity Award

Award is given to staff who has produced original work that contributes to development of knowledge and creativity which gives positive impact to arts and culture.

Excellent Consultancy Award

The award was created to recognise contribution of individuals or groups that are active in consultancy activities. Winners must meet the minimum project value that was set by the selection committee.



One for the album.... recipients of the Putra Academia Special Awards (MGAP 2013) with UPM's Chancellor, Sultan Sharafuddin Idris Shah.

Putra Academia Special Award 2013



PROF. DATIN PADUKA DR. AINI IDERIS
(Faculty of Veterinary Medicine)

- In 2005, she co-researched and commercialised another vaccine vital to the poultry industry, i.e. against the infectious bursal disease.
- Her research team developed several rapid test kits for quick diagnosis for avian flu like the bird flu a zoonotic disease, the Newcastle disease (a contagious poultry disease), and Mycoplasmosis.
- Her team is presently developing a halal vaccine besides new generation of vaccines.
- Coordinator of the National Centre of Excellence for Swiftlets, responsible for deciding on the research direction of the swiftlet breeding and bird nest industry.
- Has published more than 400 articles in journals, book chapters and proceedings.
- Was appointed Fellow of the Islamic World of Academy of Sciences (FIAS) in 2011.
- Received the National Academic Award 2010 for Innovation and Product Commercialisation.
- Was adjudged one of the top 10 researchers for the National Innovation Awards 2012.
- Received the UPM Outstanding Alumni Award 2012.
- She has the distinction of being inducted as the Inaugural Member Hall of Honour by the World Veterinary Poultry Association in 2013.
- Winner of the Vice Chancellor Fellowship Award 2007 for being an outstanding researcher, the Excellent Bioscience Research award for 2007 and the Commercialisation Award for 2008.

- The commercialisation of her research, i.e. a vaccine for the poultry against the Newcastle disease (NDV4-UPM) (1995), and a tissue-culture vaccine against fowl pox (1996) have been marketed to 9 countries.

Excellent Consultancy Award 2013



ASSOC. PROF. DR. RAJA SYAMSUL AZMIR RAJA ABDULLAH
(Faculty of Engineering)

- He is renowned for excellent consultancy services in the field of Wireless Sensing Engineering and one of his notable consultancy projects is "A Study on the Development of A Wireless Sensing Network" sponsored by the Ministry of Communications and Multi-Media Malaysia at a cost of RM11 million. One of the aims of this project is to boost the national economy and incomes of the rakyat.

UPM Vice-Chancellor's Fellowship Awards 2013

EXCELLENT EDUCATOR AWARD



Cluster of Pure Science and Health
MR. JOHAN ISMAIL

(Faculty of Agriculture and Food Sciences)

- Received UPM Excellent Service Award 3 times
- Actively testing new ideas and methods of Student-Centered Learning
- Active in engaging and providing training for e-learning systems



Cluster of Applied Science and Engineering
ASSOC. PROF. DR. SALEH KADZIMIN

(Faculty of Agriculture)

- 7 times Recipient of UPM Excellent Service Awards (1997, 2000 – 2005)
- Received UPM Excellent Teaching Award 2008
- Recipient of UPM Vice-Chancellor's Fellowship Award 2012
- Introduced innovation and creativity in teaching (orchid and plant micropropagation)
- Secretary, 17th World Orchid Conference 2002, Kuala Lumpur
- Supervised and mentored theses research of more than 500 Bachelors, Masters and PhDs

YOUNG EDUCATOR AWARD



Cluster of Pure Science and Health
DR. HAZILAWATI HJ. HAMZAH

(Faculty of Veterinary Medicine)

- Received UPM Excellent Service Award 2013 and Faculty Excellent Teaching Awards 2010, 2011 and 2012
- Implemented Case-Based Learning activities to students
- Winner of the Best Oral Presentation Award at national conference
- Chairperson of 1 national conference



Cluster of Applied Science and Engineering
DR. SITI ZAHARAH SAKIMIN

(Faculty of Agriculture)

- Received UPM Excellent Service Award 2012
- Introduced Project Oriented – Problem-Based Learning (PoPBL) activities to students
- Among the editors who hold the copyrights for 6 modules of Agropreneur Incubation Programme 2013

EXCELLENT RESEARCHER AWARD

Cluster of Applied Science and Engineering
PROF. DR. MOHD RAFII YUSOP

(Faculty of Agriculture)

- Holds 18 national, private and international research projects. Project Leader of 9 projects with grants value of RM1.2 million and co-researcher of 9 others projects (RM 1.35 million)
- By 2013, published 46 articles (15, corresponding author & 31, co-author) in ISI journal with a cumulative impact factor of 52
- Developed advanced rice lines with high yield and quality, and tolerance to biotic and abiotic stresses
- Awards received: UPM Excellent Service Award 2013, Malaysian Innovation Expo 2013 and Bio-innovation Award 2013



YOUNG RESEARCHER AWARD

Cluster of Science and Technology
ASSOC. PROF. DR. AHMAD ZAHARIN ARIS

(Faculty of Environmental Studies)

- Published 23 articles in ISI journal, 2 chapters in Book and 1 book published by Springer in 2013
- Principal Investigator for 14 research grants from local and international agencies
- Involved with more than 10 consultancies and knowledge transfer programs in 2013
- Founding Chairman for International Conference on Environmental Forensics



INNOVATION AND PRODUCT COMMERCIALIZATION AWARD

PROF. DR. AZNI IDRIS (Faculty of Engineering)

- Published in 105 referred journals and delivered 144 conference papers (local and international)
- Secured more than RM2.7 million contract research from private companies and more than RM3.6 million research grants from government for waste water research.
- Holds 4 patents related to water and wastewater research, 2 patents have been successfully commercialised
- Invented the innovative "Cosmo-balls", the main component in the patented BioFil Technology that was used to restore Sg. Melaka and Sg. Batu, in Selangor.
- Sale of the commercialised product reached RM 5 million.
- Successfully developed a new product called AFlok, a natural biopolymer which is derived from microorganism which offers a non-toxic approach to water treatment.
- Award winner of the MALAYSIAN WATER ASSOCIATION AWARD – OUTSTANDING RESEARCH AWARD 2002
- Gold Medal Winner at Product Exhibition - Innova Eureka in Brussels, Belgium 2008.



JOURNAL PUBLICATION AWARD (SCIENCE AND TECHNOLOGY)

PROF. DR. MAZNAH ISMAIL
(Faculty of Medicine and Health Sciences)

- Recipient of Vice Chancellor Fellowship Award (Excellent in Research) in 2012 & 2005; Malaysian Toray Science Foundation (MTSF) Award (2012) & Bioinnovation Award
- Awarded the Anugerah Tokoh Pekerja Perempuan Negara (2006), Excellent Scientist Award (MOHE, 2004), Public Sector Innovation Award, JPM
- Recipient of Gold Medals in IeNA, Germany and Geneva, Switzerland
- Published 30 ISI journal articles with 71.65 Impact Factor in 2013
- Filed and granted 15 patents
- Leader for 9 projects funded by MOSTI, MOE, MTDC and BERNAS Sdn Bhd in 2013
- Technical directors of 2 start-up companies with products ORYGold TM, TQGold TM & HSGold TM



JOURNAL PUBLICATION AWARD (SOCIAL SCIENCES)

ASSOC. PROF. DR. LAW SIONG HOOK
(Faculty of Economics and Management)

- Editor-in-Chief, International Journal of Economics and Management
- Top 10 most productive authors in the Arts, Humanities and Social Sciences category for the 2001-2010 period (Malaysian Citation Centre).
- Published 24 journals cited in Social Science Citation Index (SSCI)
- Top 15 Asian Young Researchers in Economics 2013 by Asian Development Bank Institute (ADB)
- One of the 5 finalists from developing countries in the 2010 Global Development Network Medals Competition, Columbia.
- Top 10 Economists in Malaysia, by Research Papers in Economics (RePEc) since 2008



BOOK PUBLICATION AWARD

PROF. DR. MOHD ZAMRI SAAD
(Faculty of Veterinary Medicine)

- Conducted research on ruminant diseases since 1987, initially on pneumonic pasteurellosis of sheep and goats. Produced a spray vaccine
- Started to focus on haemorrhagic septicaemia of cattle and buffaloes since 2003. Produced a live vaccine for self-vaccination
- Published a total of 3 reference books. The latest is "Haemorrhagic Septicaemia of Cattle and Buffaloes in Asia" after a 10-year research
- Currently heading the Research Centre for Ruminant Diseases, Faculty of Veterinary Medicine, UPM



ARTS AND CREATIVITY AWARD

SASTERAWAN NEGARA DATO' DR. AHMAD KHAMAL ABDULLAH
(Faculty of Modern Language and Communication)

- Winner of the 1972 Malaysia Literature Prize (for poetry).
- Winner of the 1986 Malaysia Literature Prize (2 short stories and essays)
- Awarded the "Pemenang Anugerah Sastera Perdana 1998-1999 (Essay category)
- For 2004-2005, his essay "Comparison of two greatest Malay and Chinese Poets" earned him the "Hadiah Sastera Perdana".
- Winner of the 2004 EXXON-Utusan Prize for his essays
- Was conferred the Darjah Paduka Mahkota Selangor (DPMS) by the Sultan Selangor (2001) which allows him to use the title "Dato"; the Anugerah Pujangga from UPSI (2003), the Anugerah Budayawan Negeri Selangor for the Literature Personality award (2005), the Anugerah Abdul Rahman 'Auf in conjunction with Ma'al Hijrah (2006), the Anugerah Tokoh Siber Negeri Selangor (2011), dan Anugerah Tokoh Alumni Suloh Budiman (2012).
- Was conferred the 11th Sasterawan Negara or Literary Man award (2012)
- Has published 10 books of poetry and essays
- His book "Dakaplah Bulan Putih" (DBP: 2013) of poetry, short stories, essays and drama won him the Special Prize of the Selangor State Government.



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Photo: Marina Ismail & Noor Azreen Awang



Photo: Marina Ismail & Noor Azreen Awang

Highlights of international visitors

By Global and Corporate Liaison
Section, MarComm and Mohd Rezuam
M Aspar

International visit have been an integral part of internationalization effort of the university. In every visit, we wish to make sure that UPM's stories are told wide and far so that our counterparts from all over the world are made known of how significance UPM has become to nation building especially in terms of our contribution and achievements in agriculture sector. UPM opens doors to international guests and looks forward upon their visits as an opportunity to share experiences, evaluate potential collaborations and develop networking opportunities. In A-Z, we summarize among many of our foreign delegations throughout March to May 2014.

Australia has always been one of our best counterparts as we consistently received a number of delegates from down under. Matt Monkhouse, Regional Manager (Asia), Macquarie International, Macquarie University is among our many Aussie visitors. He visited UPM on 14th May to explore the potentials of collaboration.

Bangladesh Police, specifically from Forensic DNA Laboratory visited UPM for a week in March. Besides attending a course programme conducted by University Community Transformation Centre (UCTC), they also visited UPM's facilities and landscapes.

Convocation protocol, student's admission, student's records, and etc. are among processes which Tehran University of Medical Sciences (TUMS) delegates were interested in order to learn UPM best practices. Thus, on 4th March Academic Division and School of Graduate Studies hosted their visit attachment program.

Delegates of 2nd Year Agribusiness Master Program, Faculty of Agriculture, Universitas Bengkulu, Indonesia visited our Faculty of Agriculture on 18th March. This study tour visit was aimed at exposing the students to the international leaning environment and experiences.

Embassy of Libya's Ambassador, His Excellency Dr. Anwar Elfeitori paid a courtesy call on Prof. Datuk Dr. Mad Nasir Shamsudin on 24th April. Following up the meeting, another visit by the Defense Attaché from the embassy visited School of Graduate Studies on 12th May, to monitor the progress of Libyan sponsored students in UPM.

Faculty of Engineering UPM received a delegate from Japan Space Agency (JAXA) to review their pre-existing collaboration on 4th March.

Geriatric medicine and ageing health care of UPM were recognized by the Ministry of Public Health, Thailand, as they visited UPM purely to learn on best practices on the management and future plan of ageing health care, activities in research, education, training, clinical, and outreach services in gerontology and geriatrics on 11th March.

Halal Products Research Institute (IPPH) received a numbers of international delegates, namely; Commission on Higher Education in Muslim Mindanao, Filipina on 14th April, Functional Food Creation, Japan on 4th May, and The Philippine Department of Science and Technology, Regional Office on 8th May.

Institute of Tropical Agriculture, UPM hosted the visit by a Professor from College of Pastoral Agriculture Science and Technology, Lanzhou University, China, Dr. Nan Zhibiao.

Joint collaboration with international counterparts, is the essence of academic internationalization. On 31st March, another joint collaboration is formalized; an MoA on dual PhD collaboration was signed between UPM and University of Southern Queensland (USQ). This collaboration is initiated by our School of Graduate Studies.

Khon Kaen University, Thailand is one of UPM's active partners in mobility programmes. They have sent a number of their students to attend internship & exchange programmes at various faculties in UPM. On 8th April, a delegates from Khon Khaen University, headed by Asst. Prof. Dr. Turenjai

Doolgindachbaporn, University Internship Program Board Committee visited UPM to monitor their students' performance and also make planning for next mobility programmes with UPM (coordinated by International Division).

La Trobe University, Australia (Professor John Rosenberg, Senior Deputy Vice Chancellor), paid a courtesy call on Prof. Datuk Dr. Mad Nasir Shamsudin on 13th March. During their short meeting, they touched on

Yusoff, an alumnus of La Trobe also attended the meeting.

Mahidol University, Thailand visited UPM on 8th May, to learn on UPM's Green Initiative. The Corporate Planning Division hosted a briefing and discussion session on sharing UPM's efforts and achievement in Greenmetric World University Ranking.

Nigeria is also not a stranger to us. On 27th March, we received a big delegation of officials from Bauchi State University Gadau led by H.E. Mr.



Photo: Marina Ismail & Noor Azreen Awang



Photo: Marina Ismail & Noor Azreen Awang

issue of enhancing collaboration in the exchange programmes (staff and students), and research & development activities between the two universities. Prof. Datin Paduka Dr. Khatijah Mohd

Mohammed Ibrahim Aminu, Honorary Commissioner for Higher Education, Ministry for Higher Education Bauchi State. Currently, 20 of Bauchi State University's Academic Staff are attending postgraduate programme in UPM.

On 14th April, a delegate from Gorontalo State University, Indonesia visited Faculty of Educational Studies. The visit was initiated by Gorontalo in exploring academic collaboration between both universities specifically in the field of education.

Prof. Dr. Tashi Kosaki from Tokyo Metropolitan University, Japan visited UPM on 6th March. The visit was successfully arranged by Faculty of Forestry.

Queen's visit? No, but UPM is very fortunate to have Royal Agricultural University (RAU), UK, an institution which is patron by Her Majesty The Queen to visit UPM and signed a collaborative understanding (MoU), anchored by our own Faculty of Agriculture on 17 March.

Reading University, UK represented by Prof. Richard Ellis, Dean Faculty of

Life Sciences exchanged MoU agreement with UPM's Vice Chancellor, Prof. Dato' Dr. Mohd. Fauzi Hj. Ramlan on 28th April.

Suleyman Demirel University, Sparta, one of our counterparts from Turkey under MEVLANA Exchange Protocol agreement visited UPM on 17th April. The delegation which led by their Vice Rector, Prof. Dr. Cengiz Kayacan visited INSPEM, Faculty of Engineering, Faculty of Agriculture and our Turkish Lab at Faculty of Modern Languages and Communications.

Two separate delegates from Thailand were received namely; Nakhon

received from the Northern Illinois University, USA delegates who were mesmerized by UPM's achievement as a leading and the only AACSB accredited business school in the country. The delegation which was led by Prof. Dr. Denise Schoenbahr, Dean of College of Business visited UPM on 31st March and was keen to develop a mutual collaboration between both institutions specifically in the field of business studies.

Xiao Ming Qin, Li Sheng Zheng, Li Long An, and Fang Li Yu were among the delegates from Guangdong Ocean University, China who visited UPM on



Photo: Marina Ismail & Noor Azreen Awang



Photo: Marina Ismail & Noor Azreen Awang

Si Thammarat Rajabhat University on 23rd April hosted by Faculty of Science, and Phranakhon Rajabhat University on 22nd May hosted by Faculty of Educational Studies

University Health Centre received a visit from Ministry of Health Bangladesh on 4th March. The objective of the visit is to network and share experiences with their counterpart.

Vietnam, Can Tho University, have always been one of UPM's frequent visitors. UPM cherished this relationship, and this time the Institute of Bioscience hosted the delegates on 12th March. The visit was also attended by representative from Faculty of Biotechnology and Biomolecular Sciences, and Faculty of Environmental Studies.

Wow! It was a spontaneous and overwhelming response that we

26th May. This visit was hosted by International Division as their interest was to establish international student exchange programme between both institutions.

Yielding farming experiences and gaining knowledge on best practices in providing facilities to support teaching, research and services in agriculture were among the objectives for a group of 13 instructors from Sekolah Tinggi Penyuluhan Pertanian Bogor, Indonesia who visited UPM from 21st to 23rd May. They underwent a short term attachment programme at our University Agricultural Park (TPU) and Faculty of Agriculture

Zirve University, Gaziantep, Turkey who is our MoU partner visited UPM on 4th March in an effort to review and explore opportunities for academic collaboration.



Photo: Marina Ismail & Noor Azreen Awang



Photo: Marina Ismail & Noor Azreen Awang

Cabaran pentadbir dalam merealisasikan Pelan Strategik UPM 2014-2020



Oleh Noor Mohamad Shakil Hameed

Sebagai sebuah Universiti Penyelidikan yang unggul, UPM terus berusaha untuk menjadi pemimpin utama dalam dunia pengajian tinggi baik di peringkat nasional mahupun antarabangsa. Untuk itu pihak Universiti telah melancarkan Pelan Strategik UPM 2014-2020. Menurut Naib Canselor UPM, Prof. Datuk Dr Mohd. Fauzi Ramlan Pelan Strategik 2014-2020 adalah manifestasi UPM untuk meningkatkan lonjakan dengan lebih cemerlang dalam mendepani cabaran pengajian tinggi pada peringkat global.

Bagi mencapai hasrat dan impian ini sudah semestinya semua komponen yang ada dalam universiti ini seperti Pegawai Akademik, Pentadbir, Pegawai Pelaksana dan juga pelajar perlu memainkan peranan masing-masing. Ringkasnya kejayaan mahupun kegagalan dalam mencapai impian untuk tersenarai dalam kedudukan 200 universiti terbaik dunia pada tahun 2020 banyak bergantung kepada sumbangan dan komitmen semua pihak. Ianya melibatkan kerjasama dan sumbangan secara

berpasukan dan bukannya individu.

Menyedari hakikat ini Pentadbir sering dilihat sebagai antara tiang seri utama dalam membantu pihak universiti merealisasikan hasrat terbabit. Jelas ianya bukanlah satu tugas yang mudah. Tanggungjawab yang dipikul oleh kumpulan Pentadbir ini sering mencetuskan pelbagai tuntutan dan cabaran yang besar. Hakikatnya peranan utama Pentadbir adalah menjadi pemudahcara di setiap Pusat Tanggungjawab (PTJ).

Dalam konteks ini Pentadbir perlu menjadi sumber rujukan utama pihak pengurusan PTJ terutamanya dalam aspek pentadbiran, kewangan dan juga sumber manusia. Hal ini penting kerana untuk mencapai matlamat dan sasaran Pelan Strategik ini semua PTJ perlu menggembeling segala sumber dan tenaga yang ada agar dapat berkerja sebagai satu pasukan yang boleh memberikan hasil yang diharapkan.

Apa yang nyata bukan mudah Pentadbir dapat melaksanakan tanggungjawab ini terutamanya apabila perlu membentuk dan berkerja sebagai satu pasukan gabungan antara Pegawai Akademik, Pentadbir dan juga Pegawai Pelaksana. Bukan mudah untuk mencari titik persamaan dalam perbezaan yang wujud antara tiga komponen utama ini. Ini adalah antara cabaran utama para Pentadbir dalam memenuhi ekspektasi PTJ, Universiti dan juga pelanggan. Apapun sebagai pemimpin yang profesional para Pentadbir dilihat mampu menjadi pemudahcara dan penggerak yang efisien. Kemampuan ini sering kali diperlihatkan dan diterjemahkan melalui

kejayaan dan pencapaian gemilang PTJ masing-masing.

Pelan Strategik 2014-2020 adalah impian besar UPM untuk menempatkan diri dalam kelompok elit universiti terkemuka di peringkat global. Ianya diterjemahkan melalui penetapan lima matlamat utama dan 19 objektif strategik. Setiap satu objektif strategik ini memerlukan penumpuan yang khusus dari semua PTJ yang terlibat.

Jika kita menelusuri setiap 19 objektif strategik tersebut, ternyata bukan mudah untuk kita menikmati hasil yang diidamkan kerana cabaran dan halangannya cukup besar. Justeru dalam hal ini, sekali lagi kebijaksanaan para Pentadbir terus dituntut. Sebagai pemimpin yang menggerakkan operasi setiap PTJ, Pentadbir perlu tampil dengan perancangan dan strategi yang berkesan agar sentiasa berada di landasan yang betul menuju sasaran yang telah ditetapkan.

Dalam senario ini satu lagi cabaran dan peranan Pentadbir ialah di samping menjadi tempat rujukan pihak pengurusan PTJ, Pentadbir juga perlu membimbing Pegawai Pelaksana untuk bersama-sama bergabung tenaga dan idea dalam memajukan PTJ dan juga universiti secara keseluruhannya.

Sekali lagi ini bukanlah satu tugas yang mudah. Pegawai Pelaksana yang terdiri daripada komposisi pelbagai kategori perkhidmatan memerlukan perhatian yang khusus terutamanya dari aspek memberi penerangan dan penjelasan yang terperinci tentang setiap matlamat dan objektif strategik yang telah digariskan dalam Pelan Strategik 2014-2020.

Peranan setiap Pegawai Pelaksana perlu diberikan penerangan yang jelas agar mereka menyedari betapa pentingnya sumbangan mereka dalam menjayakan Pelan Strategik UPM.

Satu lagi cabaran besar Pentadbir ialah perlu bersama-sama menjayakan pelaksanaan organisasi keaja yang turut diletakkan sebagai antara objektif strategik di bawah matlamat lima iaitu meningkatkan kepatuhan organisasi keaja. Dalam konteks ini elemen kebolehan dan kemampuan para Pentadbir membuat pelbagai tugas iaitu multitasking mula dititikberatkan.

Sebagai pemacu transformasi PTJ, Pentadbir sewajarnya memiliki pelbagai kemahiran terutamanya di luar tugas hakiki mahupun rutin kerja harian supaya mampu menjadi Pentadbir yang luar biasa. Dalam hal ini Pentadbir perlu merebut segala peluang yang telah disediakan oleh pihak universiti untuk menimba pengalaman mahupun mengasah dan meningkatkan kemahiran masing-masing seperti program UPM Talent Appreciation & Culture Transformation Programme (UPMTACT).

Untuk menjadi seorang Pentadbir yang mampu melakukan transformasi kita perlu memiliki kemahiran yang berkaitan di samping bersedia secara mental dan fizikal untuk melakukan anjakan paradigma mahupun menerima sesuatu perubahan. Pentadbir juga perlu sentiasa berfikir terbuka terutamanya bersedia untuk ditegur dan membaiki segala kelemahan yang ada. Sikap keterbukaan ini penting demi kemajuan diri dan juga organisasi.

Ringkasnya Pelan Strategik UPM 2014-2020 adalah satu naskah yang bakal menyambung dan meneruskan legasi kecemerlangan UPM di santerio pelusuk dunia. Justeru Pentadbir perlu bijak memainkan peranan dalam menjayakan setiap objektif strategik yang telah digariskan mengikut matlamat masing-masing.

"Kejayaan mahupun kegagalan Pelan Strategik UPM 2014-2020 banyak bergantung kepada kesanggupan warga UPM dalam bersatu dan berkerja sebagai satu pasukan menuju matlamat dan impian yang sama."

Mengambil kira sumbangan dan peranan Pentadbir dalam kejayaan universiti selama ini, saya amat yakin dan percaya bahawa sumbangan ini akan dapat diteruskan malah dipertingkatkan lagi mengikut keperluan momentum prestasi universiti dari semasa ke semasa. Semoga para Pentadbir dapat mengharungi segala cabaran yang mendatang demi kemajuan universiti yang kita sayangi.

Penulis ini merupakan Ketua Bahagian Hal Ehwal Pelajar / Presiden Persatuan Pentadbir UPM (PPUPM)

Universiti dan nilai bersama



Oleh Mohd Izani Mohd Zain

Universiti adalah tempat berkumpulnya komuniti ilmun yang menggalas amanah besar negara melahirkan modal insan dan meningkatkan keupayaan pengetahuan dan inovasi negara. Komuniti ilmun ini bukan sahaja melibatkan ahli akademik, tetapi turut merangkumi staf pentadbiran dan sokongan yang mendukung sistem dan nilai bersama demi mencapai visi dan misi universiti. Apabila bercakap soal nilai, ia bukan satu pilihan, tetapi kemestian bagi komuniti ilmun untuk mengamalkannya. Februari lalu, Naib Canselor telah menyampaikan perutusan tahun baharu bagi mengemukakan pelan perancangan meneruskan kecemerlangan universiti. Antara yang menjadi fokus adalah Pelan Strategik UPM bagi tahun 2014 hingga 2020. Bagi mencapai kejayaan pelan strategik, empat nilai teras telah dipilih, iaitu kecemerlangan, kepelbagaian, kelestarian dan integriti.

Pertama, kecemerlangan adalah mauduk asas bagi menentukan tahap sebenar pencapaian universiti dan komunitinya. Tidak ada pencapaian melainkan pada tahap kecemerlangan atau aras tinggi. Ia juga membabitkan soal kualiti mengatasi kuantiti.

Justeru, kecemerlangan perlu dibudaya dan membudaya dalam semua perspektif perkhidmatan yang disediakan oleh universiti seperti pembelajaran dan pengajaran, penyelidikan dan inovasi, perkhidmatan profesional dan perundingan dan perkhidmatan

komuniti.

Lebih penting, kecemerlangan tidak dinilai dalam perkara yang tersurat (tangible) semata-mata seperti tuntutan dalam Petunjuk Prestasi Utama (KPI), tetapi mengambil kira perkara yang tersirat (intangible) seperti soal nilai dan budaya organisasi. Kita tidak mahu melahirkan robot, tetapi manusia yang berjiwa dan mempunyai nilai kemanusiaan yang tinggi. Atas sebab itu jugalah, universiti telah melancarkan kajian Indeks Kegembiraan yang bertujuan memastikan warga kampus memiliki tahap motivasi yang tinggi dalam pelaksanaan tugas masing-masing.

Pada masa yang sama, graduan yang bakal kita lahirkan tidak hanya menguasai pencapaian akademik yang cemerlang, tetapi tertanam dalam jiwanya nilai murni dan sifat kemanusiaan yang tinggi. Ini akan menjadikan mereka manusia yang lebih baik, memahami, membahagi dan bersedia melangkah ke alam kehidupan yang sebenar. Kehidupan di kampus mesti memberikan mereka pengalaman yang berharga untuk berhadapan dengan kehidupan dalam konteks yang lebih besar, bukan sekadar memenuhi tuntutan pekerjaan semata-mata.

Kedua, kepelbagaian adalah ciri kewujudan universiti bersesuaian dengan sifatnya yang meraiikan perbezaan. Kepelbagaian tidak sewajarnya menjadikan kita terpisah, tetapi bersatu atas paksi amanah ilmu yang luas. Kepelbagaian disiplin ilmu, kepelbagaian tenaga kepakaran, kepelbagaian budaya, kepelbagaian bakat dan kepelbagaian komuniti akan menyempurnakan dan menyerlahkan kekuatan universiti.

Penekanan kepada bidang pertanian bukan bermakna bidang lain tidak penting dan dipinggirkan. Lebih-lebih lagi, pembangunan sesebuah bangsa dan negara memerlukan kekuatan semua bidang. Apa yang lebih penting, kesepaduan dalam kepelbagaian mesti dijayakan sebaik mungkin. Pendekatan multidisiplin dan transdisiplin misalnya akan dapat menyatukan

ketinggian ilmu. Penubuhan Muzium Warisan Melayu misalnya adalah contoh terbaik bagaimana kesepaduan ilmu dapat dicapai dengan menggabungkan kepakaran kita dari pelbagai aspek seperti budaya dan sastera, persuratan, perubatan, pertanian, perhutanan, reka bentuk, sains bahan dan juga pemakanan. Ketiga, kelestarian menjadikan universiti tidak hanya membicarakan soal masa kini tetapi berupaya menerobos keperluan masa hadapan. Universiti perlu relevan untuk keperluan semasa dan akan datang dengan mencari jalan penyelesaian. Dalam konteks ini, universiti perlu meneruskan peranannya sebagai hab inovasi yang memungkinkan hasil penyelidikan bukan sahaja dapat menerokai ufuk ilmu, tetapi menyumbangkan kepada kehidupan sejagat.

Pertanian sebagai bidang tujuhan universiti dapat mewajarkan bagaimana nilai kelestarian ini penting. Ini kerana meligatkan agenda pertanian bererti kita merancang untuk survival dan keperluan akan datang. Kecukupan makanan contohnya memerlukan kita melagang pertanian dengan bijaksana.

Pertanian bukan lagi satu aktiviti komersil biasa, tetapi masa depan. Keempat, nilai integriti amatlah penting selari dengan kedudukan universiti sebagai pusat perkembangan ilmu dan tamadun sesebuah bangsa. Sebagai pusat perkembangan ilmu dan tamadun yang berbilang dan bertanggungjawab melahirkan cerdik pandai, universiti mesti dilihat sebagai satu tempat yang tepat untuk mempertahankan dan memperkasakan nilai integriti ini.

Sebagai sebuah institusi keilmuan yang mendukung kebenaran ilmu, universiti dan warganya perlu memainkan peranan penting untuk melaksanakan tugas-tugas mereka dengan penuh amanah dan bertanggungjawab. Secara asasnya, integriti universiti sebagai institusi ilmu hendaklah mengekal dan mempertahankan prinsip-prinsip asas ilmu itu sendiri dengan mencari, membuktikan dan menegaskan kebenaran secara rasional dan saintifik khususnya melalui penyelidikan.

Dalam hal ini, universiti tidak wajar mengadatkan prinsip-prinsip tersebut hanya semata-mata mahu mengejar kedudukan, imbuhan mahupun populariti.

Penerapan nilai integriti di universiti juga wajar disokong oleh komponen-komponen pentingnya seperti ahli akademik, pegawai tadbir dan profesional, kakitangan sokongan mahupun pelajar-pelajar. Sebagai ahli akademik misalnya, mereka bertanggungjawab untuk melestari dan memperkukuh kualiti pengajaran dan pembelajaran supaya para pelajar memperoleh ilmu yang berguna untuk kepentingan diri dan masyarakat.

"Oleh itu, jika ahli akademik sendiri tidak menunaikan tanggungjawab mereka sebagai ahli akademik dengan amanah atau gagal menjadi contoh terbaik, sudah tentu mereka tidak akan mampu melahirkan graduan yang berintegriti dan berkualiti."

Pendek kata universiti sebagai gedung ilmu mesti menjadi tempat yang terbaik untuk memperkasa dan memperkukuh nilai integriti agar ia menjadi cerminan kepada masyarakat secara keseluruhannya.

Kesimpulannya, kehebatan sesebuah universiti tidak bergantung kepada kecanggihan bangunan dan prasarananya, tetapi komuniti ilmun yang mendukung nilai yang dikongsi bersama. Nilai inilah yang menjadi nadi kepada solidariti mereka untuk mempertahankan universiti sebagai institusi keilmuan yang dihormati dan disanjung. Kita selaku komuniti ilmun mesti menjayakan. Kalau bukan kita siapakah lagi?

Penulis merupakan Prof. Madya di Fakulti Ekologi Manusia, UPM.

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Highlights of international visitors
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UPM-IPT pertama Asia peroleh akreditasi Teacher Education Accreditation Council

Oleh Khairul Anuar Muhamad Noh

WASHINGTON DC, 7 Mei - Universiti Putra Malaysia (UPM) menjadi institusi pengajian tinggi pertama di Asia yang menerima akreditasi untuk program pendidikan guru daripada badan antarabangsa, The Teacher Education Accreditation Council (TEAC), berpusat di Washington DC, Amerika Syarikat baru-baru ini.

Pengiktirafan itu meletakkan program pendidikan guru di UPM setanding dengan program pendidikan guru beberapa buah universiti terkemuka Amerika Syarikat yang mendapat

akreditasi TEAC seperti University of Virginia, University of Nebraska, University of Michigan, Temple University dan Rutgers University.

Akreditasi yang diterima bagi program Bacelor Pendidikan itu meletakkan UPM sebagai IPT yang cemerlang dalam melahirkan graduan lulusan Bacelor Pendidikan di peringkat antarabangsa dan akan terus komited untuk memberikan pendidikan yang berkualiti kepada pelajar.

Naib Canselor UPM, Prof Dato' Dr. Mohd Fauzi Ramlan menerima sijil akreditasi itu daripada Presiden The Council for the Accreditation of Educator

Preparation (CAEP), James G. Cibulka di sini.

Prof. Fauzi mengulas proses akreditasi itu melibatkan proses komprehensif yang telah dijalankan selama tiga tahun bagi memenuhi kriteria standard TEAC iaitu badan yang diiktiraf oleh Jabatan Pendidikan Amerika Syarikat dan Majlis Akreditasi Pendidikan Tinggi Amerika Syarikat.

"Universiti yang menerima pengiktirafan tersebut perlu melalui proses pemantauan secara berterusan oleh TEAC selama lima tahun berturut-turut bagi mengekalkan pengiktirafan akreditasi yang diterima," katanya.



Kayuhan Hidup Sihat UPM-MPSJ

Oleh Syfarida Muhamad Zaki

SERDANG, 21 Jun - Buat kali kedua, Universiti Putra Malaysia (UPM) dan Majlis Perbandaran Subang Jaya (MPSJ) bekerjasama menganjurkan Program Kayuhan Hidup Sihat Berbasikal di sekitar kawasan UPM.

Penyertaan itu telah menarik lebih 100 penyertaan daripada pelajar dan staf UPM, orang awam daripada kelab berbasikal dan keluarga.

Pengaruh program, Prof. Dr. Ahmad Ismail berkata program itu memberi inspirasi kepada orang awam bagi memupuk minat terhadap budaya hidup

sihat melalui aktiviti berbasikal.

"UPM berusaha meningkatkan ekosistem berbasikal di kawasan kampus dengan membina laluan berbasikal sepanjang 5km dan laluan pejalan kaki berbumbung bagi mengurangkan penggunaan pelajar terhadap bas, motosikal dan kereta.

"Kesedaran itu juga memupuk minat untuk menjaga alam sekitar, kesihatan dan mengurangkan kesesakan jalan raya melalui aktiviti berbasikal," katanya.

Pada tahun lalu beliau mengambil langkah memulakan projek Recycle to Cycle bersama pelajar Fakulti Sains, UPM untuk menjadikan kampus UPM sebagai zon berbasikal bagi menyemai gaya hidup yang

lebih aktif.

Sementara itu, Timbalan Pengarah Korporat MPSJ, Muhammad Azli Miswan berkata program itu bertujuan menerapkan gaya hidup sihat masyarakat, selain meningkatkan hubungan antara orang awam dan MPSJ.

"Kayuhan santai itu terbahagi kepada dua kategori iaitu kategori keluarga sejauh 5km dan kategori terbuka untuk peserta 15 tahun ke atas sejauh 10 km.

UPM turut menyediakan 40 buah basikal dan topi keledar yang mempunyai ciri-ciri keselamatan kepada peserta yang tidak mempunyai basikal dan menyediakan 50 hadiah cabutan bertuah bersama MPSJ.

Pusat Pengimejan Diagnostik Nuklear tawar perkhidmatan kesan kanser

Oleh Kuah Guan Oo

SERDANG, 3 Jun (UPM) - Walaupun kanser adalah penyakit yang lazimnya menyerang organ manusia secara senyap, namun ia tidak boleh mengelak daripada dikesan oleh ahli radiologi dan doktor terlatih seperti yang terdapat di Pusat Pengimejan Diagnostik Nuklear (PPDN) Universiti Putra Malaysia (UPM).

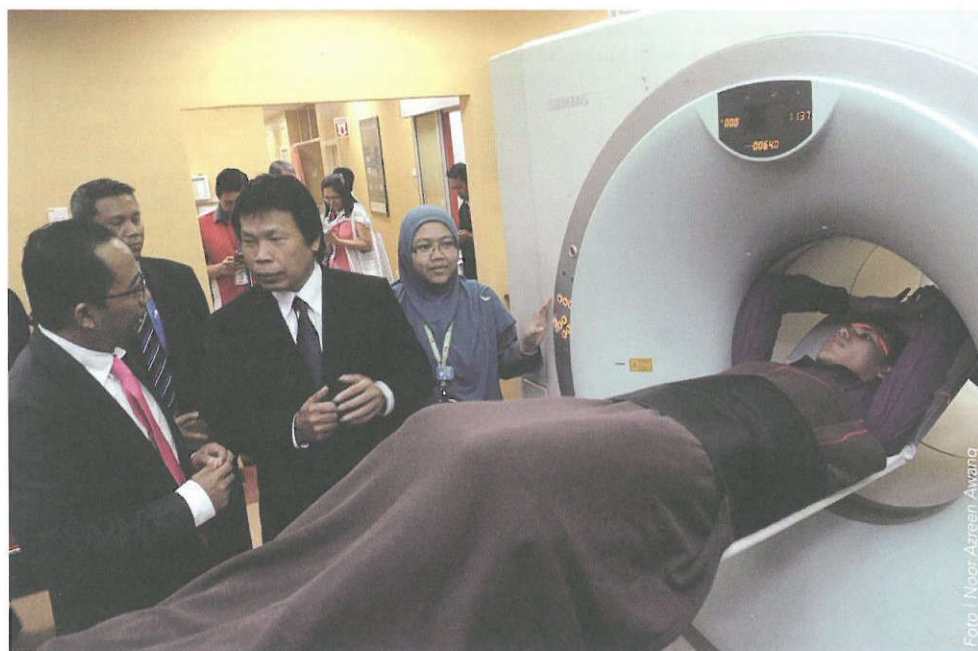
Ini kerana pusat itu dilengkapi mesin PET-CT paling canggih yang membolehkan mereka melihat secara 3-D potongan rentas bahagian tubuh seseorang manusia, dari kepala hingga ke kaki.

Melalui pengamatan deria penglihatan yang dibantu oleh pangkalan data, mereka boleh mengesan sebarang perubahan serta aktiviti sel tidak normal dan memaklumkan kepada anda pada kadar ketepatan paling tinggi yang mungkin dialami sesuatu organ, kata ketua PPDN, Prof Dr Abdul Jalil Nordin pada taklimat dan lawatan media di sini hari ini.

Beliau berkata imbasan tubuh tak invasif menggunakan mesin PET-CT membolehkan doktor melakukan zum masuk ketika melakukan biopsy dengan menggunakan panduan PET-CT pada tempat yang bermasalah bagi menentukan sama ada ia berkanser dan perlu diberi rawatan awal (sila rujuk www.ppdn.upm.edu.my).

"Seperti penyakit lain, pengesanan dan rawatan awal merupakan langkah pengubatan yang lebih berkesan," katanya ketika memperkenalkan kemudahan tersebut kepada media di Fakulti Perubatan dan Sains Kesihatan UPM.

Penubuhan PPDN dicadangkan dalam tempoh rancangan Malaysia Kesembilan



pada 2008 dan pada 1 April 2010, ia mula beroperasi setelah kelengkapan PET-CT pertama dipasang di bawah program Kementerian Pengajian Tinggi ketika itu bagi tujuan diagnostik, latihan dan penyelidikan.

Sejak mula dibuka, pusat ini telah mengimbas kira-kira 500 pesakit dan kini ia juga menyediakan perkhidmatan klinikal mengenai onkologi, jangkitan, keradangan, kardiologi dan neurologi.

Apa yang membezakan PPDN dengan tempat rawatan lain ialah ia merupakan pusat sehati di mana peranti perubatan paling canggih seperti Magnetic

Resonance (MR) and Hybrid Modalities (PET-CT, molecular-MR and SPECT-CT) yang membolehkannya membuat pengesanan awal terhadap penyakit, memantau rawatan dan memberi rawatan susulan.

Bayaran yang dikenakan, bergantung pada jenis perkhidmatan yang diperlukan, adalah daripada serendah RM80 hingga RM2,000 untuk imbasan PET-CT seluruh tubuh, jauh lebih rendah daripada kadar yang dikenakan oleh sembilan hospital swasta lain yang menggunakan kelengkapan PET-CT serupa di negara ini.

Prof Dr Jalil bagaimanapun berkata PPDN hanya menerima pesakit yang dirujuk kepadanya oleh doktor lain, manakala tempoh menunggu bagi mendapatkan janji temu untuk PET-CT selalunya kurang dari seminggu dan keputusan, berserta laporan rasmi dan imej, dikeluarkan dalam masa 24 jam.

Dengan penyediaan bilik khas untuk berehat sebelum dan selepas sesi pengimejan PET-CT, pesakit dan saudara mara terdekat mereka boleh mendapatkan perundingan percuma tentang dapatan PET-CT yang dilakukan.

PPDN terbahagi kepada dua unit utama



- klinikal dan pra-klinikal & teknikal - dengan setiap unit dibahagikan pula kepada empat bahagian iaitu Pengimejan Onkologi, Pengimejan Jangkitan/Keradangan, Pengimejan Kardiovaskular dan Pengimejan Neurologi.

"Unit Perkhidmatan Klinikal mempunyai pakar perubatan dalam

bidang pengimejan diagnostik (ahli radiologi), pakar onkologi klinikal, pakar mikrobiologi, ahli patologi, pakar kardiologi, pakar neurologi dan pakar bedah.

"Unit Pra-Klinikal dan Unit Teknikal menyelaras aktiviti selain perubatan klinikal," kata doktor perubatan itu, yang menuntut di Universiti Kebangsaan Malaysia (UKM) pada 1989 sebelum memperoleh Ijazah Sarjana dalam bidang Radiologi daripada Universiti Malaya pada 1996. Beliau memperoleh Fellowship dalam Bidang Perubatan Nuklear daripada University of Sydney (Westmead Hospital) pada 1997 dan Fellowship dalam

bidang PET-CT daripada University of Zurich pada 2008.

PPDN diiktiraf dan diberi akreditasi melalui rangkaian kerjasamanya dengan institusi antarabangsa yang mempunyai kepakaran dalam bidang PET-CT dan MRI, termasuk University of Milan Bicocca and Ospedale Niguarda, Itali; Medical University of Innsbruck, Austria; University Medical Centre Groningen, Netherlands; University Hospital Zurich, Switzerland dan Peter McCallum Cancer Centre of Melbourne, Australia.

Prof Dr Jalil berkata melalui penyelidikan yang dilakukan, mereka mendapati terdapat hubungan rapat antara Chronic Diabetes Mellitus (CDM) dan peredaran arteri koronari.

"Dalam tempoh terdekat, pusat ini akan memulakan perkhidmatan pengimejan mengesan bukan FDG (atau isotop) dan projek pembangunan baharu mengenai ubat-ubatan dan pengesanan, yang melibatkan saintis daripada pelbagai disiplin," katanya sambil menjelaskan bahawa mereka akan terus melatih kakitangan perubatan dan teknikal serta jururawat dalam pengimejan diagnostik nuklear.

Ditanya sama ada beliau ingin menasihati orang ramai supaya turut mendapatkan PET-CT apabila melakukan pemeriksaan perubatan berkala masing-masing, Prof Dr Jalil berkata beliau mengesyorkan mereka yang mempunyai keluarga yang memiliki sejarah kanser supaya berbuat demikian.

"Imbasan PET-CT mempunyai darjah ketepatan paling tinggi dan berkesan dari segi kos secara jangka panjang sekiranya seseorang itu perlu mendapatkan pelbagai ujian," katanya